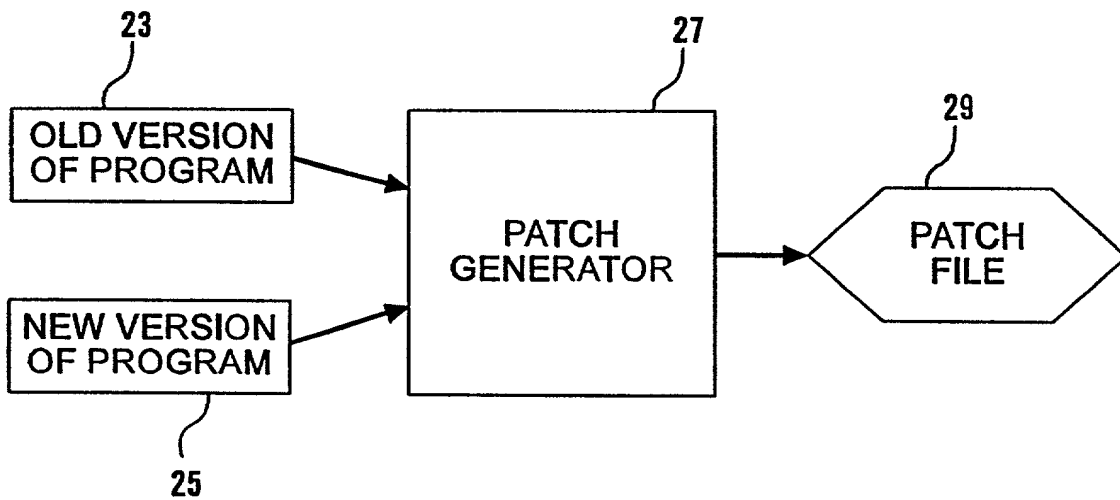


**FIG. 1**  
PRIOR ART



**FIG. 2**  
PRIOR ART

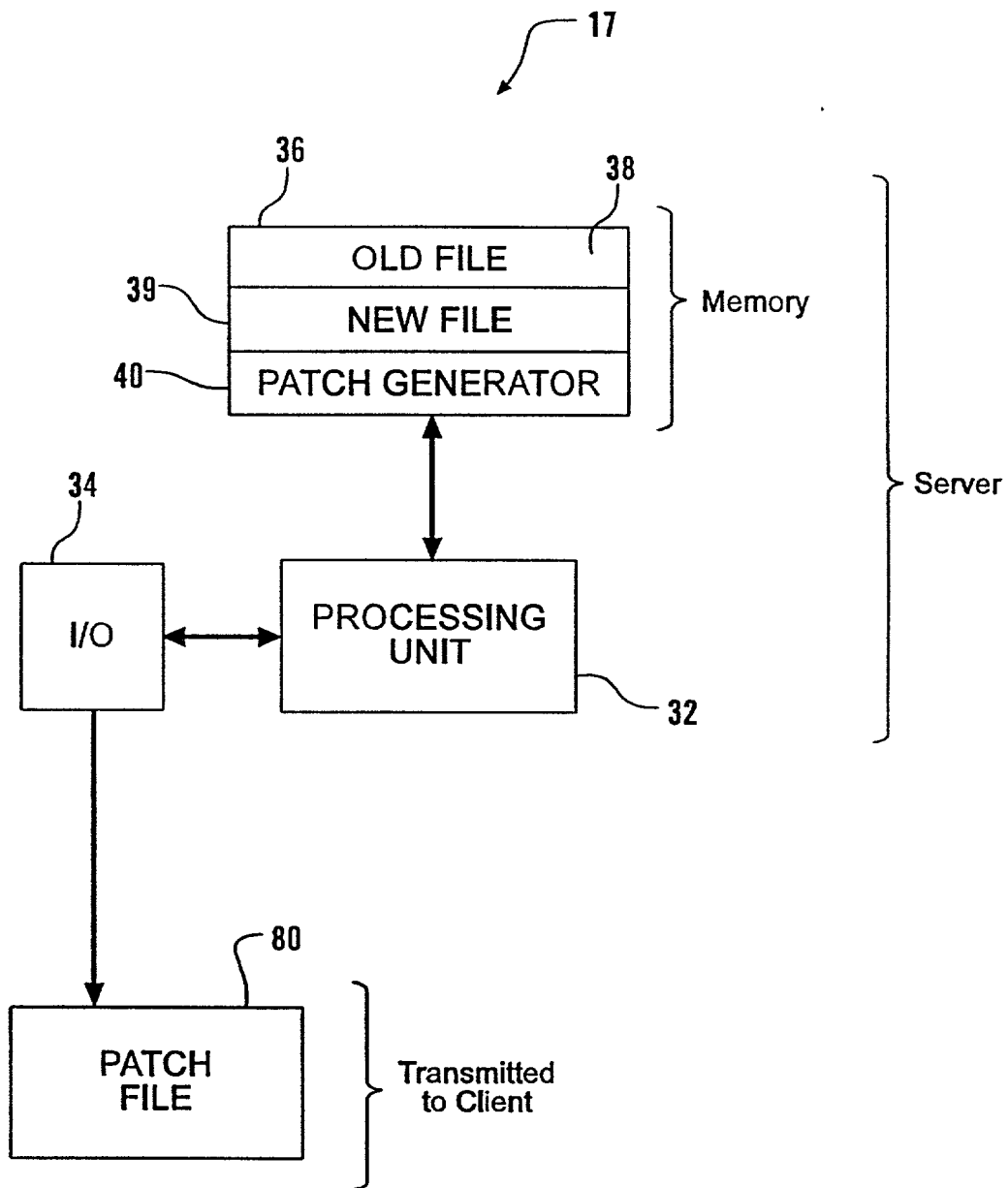


FIG. 3

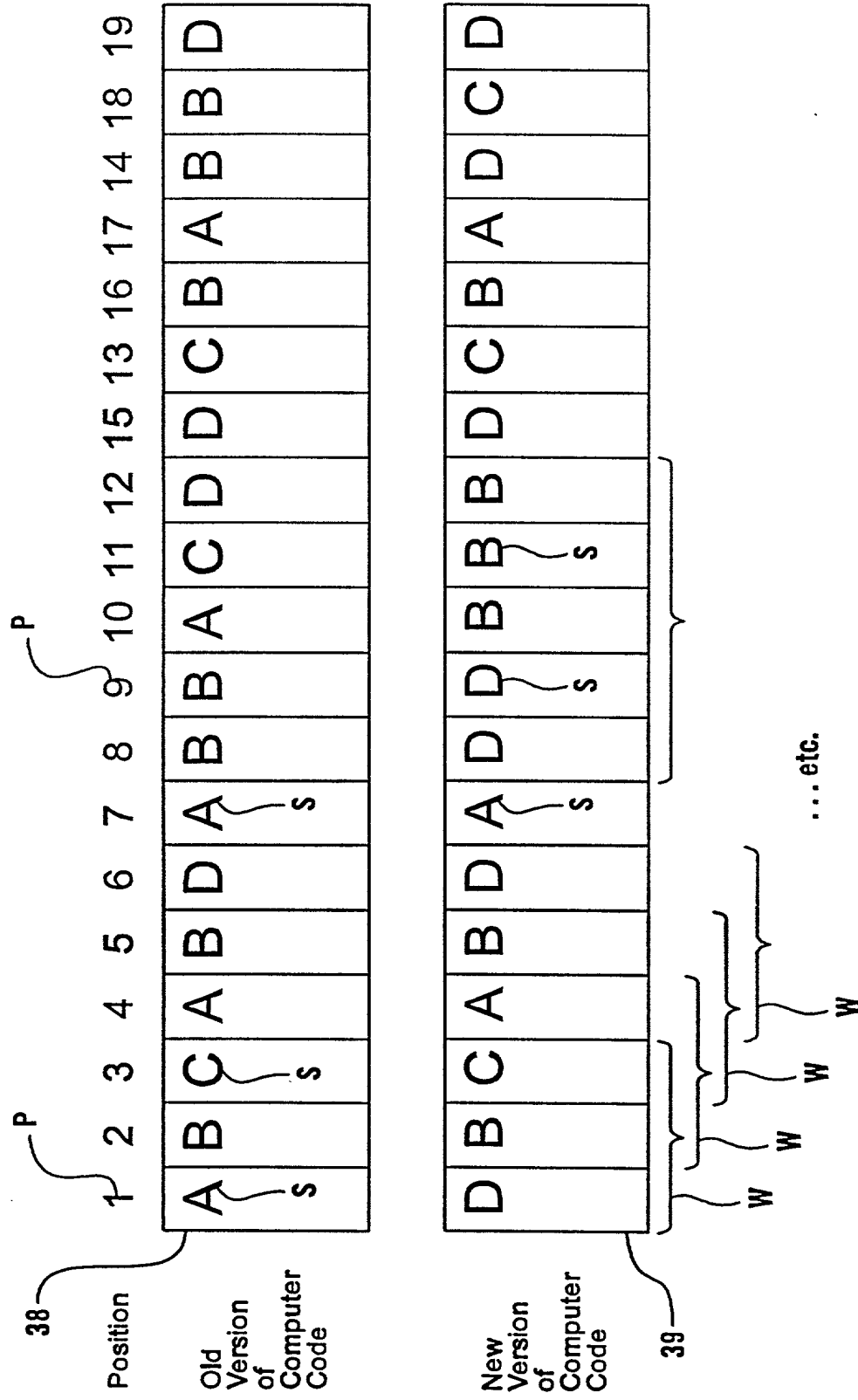


FIG. 4

U.S. Pat. 3,400,000

First List (Old Version of Computer Code):		Second List (New Version of Computer Code):	
Word	Position	Word	Position
ABC	1	DBC	1
BCA	2	BCA	2
CAB	3	CAB	3
ABD	4	ABD	4
BDA	5	BDA	5
DAB	6	DAD	6
ABB	7	ADD	7
BBA	8	DDB	8
BAC	9	DBB	9
ACD	10	BBB	10
CDD	11	BBD	11
DDC	12	BDC	12
DCB	13	DCB	13
CBA	14	CBA	14
BAB	15	BAD	15
ABB	16	ADC	16
BBD	17	DCD	17

FIG. 5



First Sorted  
List of Code:

Second Sorted  
List of Code:

Line Number	Word	Offset ( $P_{1st}$ )	Word	Offset ( $P_{2nd}$ )		
55 {	1	ABB	7	57 {	ABD	4
	2	ABB	16		ADC	16
	3	ABC	1		ADD	7
	4	ABD	4		BAD	15
	5	ACD	10		BBB	10
	6	BAB	15		BBD	11
	7	BAC	9		BCA	2
	8	BBA	8		BDA	5
	9	BBD	17		BDC	12
	10	BCA	2		CAB	3
	11	BDA	5		CBA	14
	12	CAB	3		DAD	6
	13	CBA	14		DBB	9
	14	CDD	11		DBC	1
	15	DAB	6		DCB	13
	16	DCB	13		DCD	17
	17	DDC	12		DDB	8

57 {

FIG. 6



Current Line Number in First List	Current Line Number in Second List	Relation Between Current Words ("<", ">" or "=")
1	1	<
2	1	<
3	1	<
4	1	= (ABD)
5	2	<
6	2	>
6	3	>
6	4	<
7	4	<
8	4	>
8	5	<
9	5	>
9	6	= (BBD)
10	7	= (BCA)
11	8	= (BDA)
12	9	>
12	10	= (CAB)
13	11	= (CBA)
14	12	<
15	12	<
16	12	>
16	13	>
16	14	>
16	15	= (DCB)
17	16	>
17	17	>

FIG. 7



	60						
Word	ABD	BBD	BCA	BDA	CAB	CBA	DCB
Max Coincidence Block Length	*	3	6	*	*	*	4
Old File Offset	*	17	2	*	*	*	13
New File Offset	*	11	2	*	*	*	13

FIG. 8

	65		
Max Coincidence Block Length	3	6	4
Old File Offset	17	2	13
New File Offset	11	2	13

FIG. 9

	70		
Max Coincidence Block Length	6	3	4
Old File Offset	2	17	13
New File Offset	2	11	13

FIG. 10

	75		
End of Block + 1 in the New File	8	14	17

FIG. 11



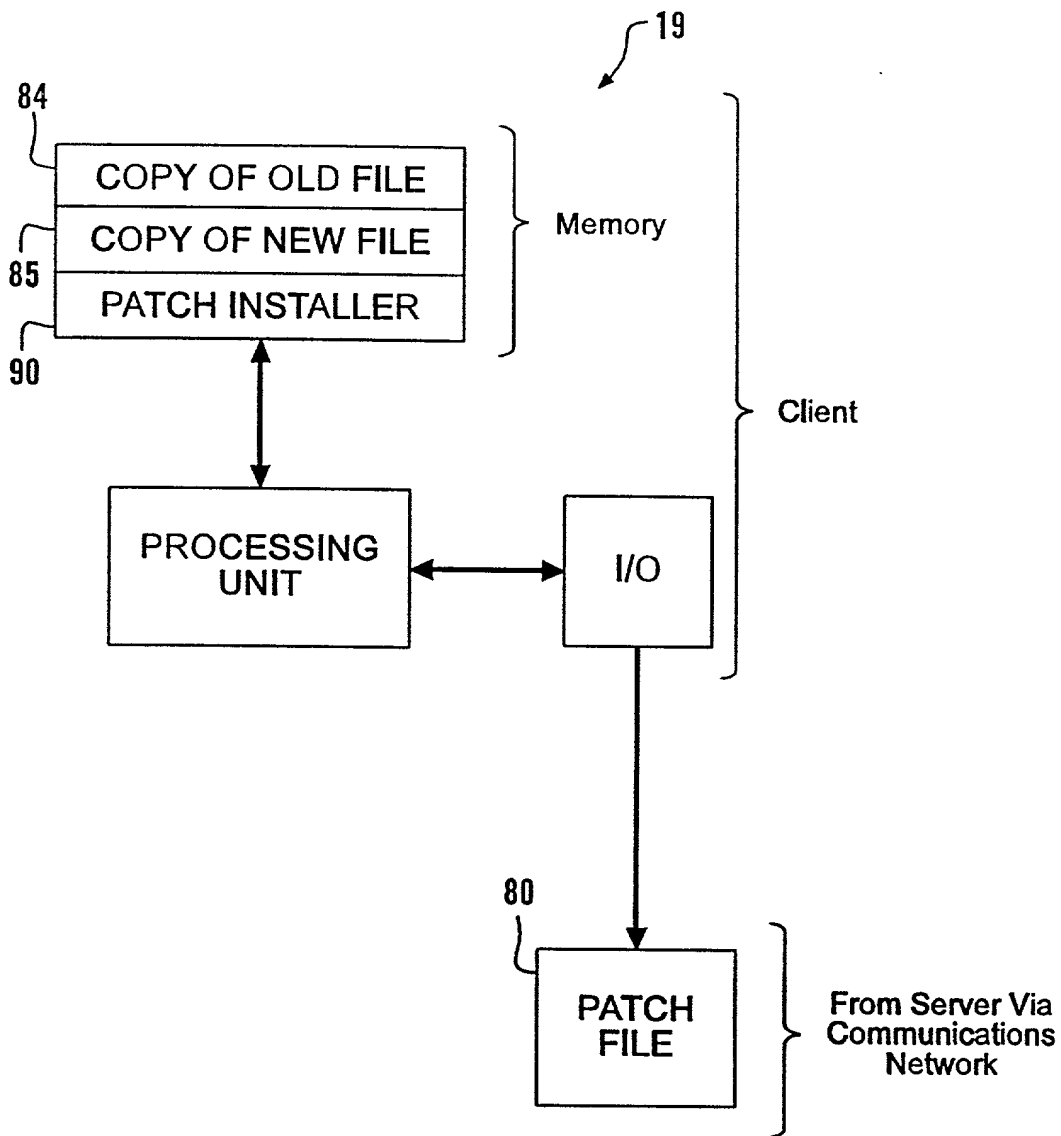


FIG. 12



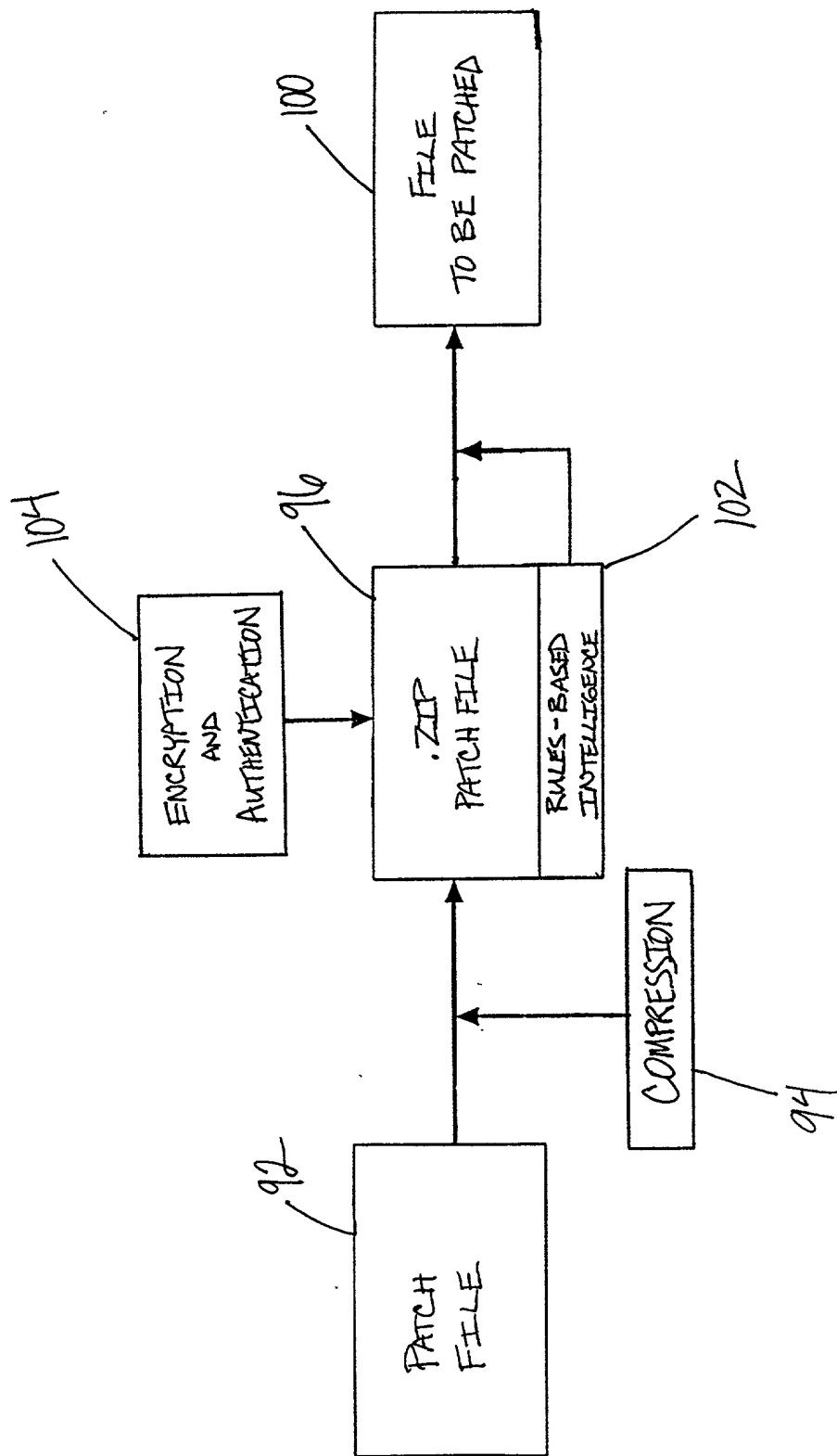


FIG. 13

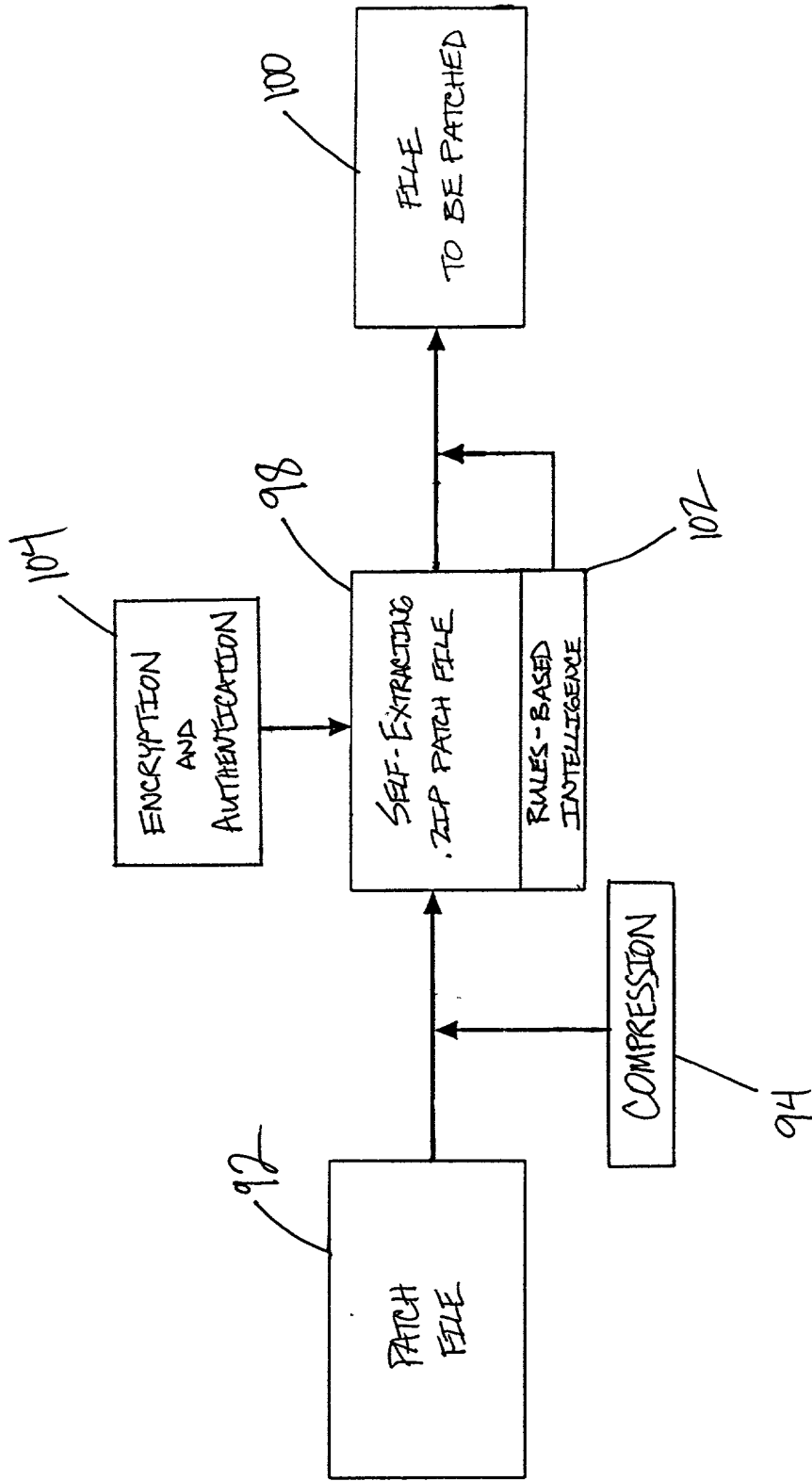


FIG. 14